CLAIMS

- 1. A prepreg produced by impregnating a reinforced-fiber sheet with a matrix resin, being characterized in that the prepreg comprises a continuous resin layer which exists in an inside thereof, and at least one surface of one side thereof is constituted of a resin-impregnated part where an impregnated resin substantially exists and a fiber part where an impregnated resin dose not substantially exist.
- 2. The prepreg according to claim 1, being characterized in that the one surface of the one side thereof has a sea-island structure in which the fiber part constitutes a sea portion and the resin-impregnated part constitutes an island portion.
- 3. The prepreg according to claim 2, being characterized in that an area of the island portion is 1 to 80% of a total area of the one surface of the one side thereof.
- 4. The prepreg according to any one of claims 1 to 3, being characterized in that a protective film having an irregular surface is applied to at least one surface of one side of the reinforced-fiber sheet impregnated with the matrix resin.
- 5. A method of producing the prepreg according to any one of claims 2 to 4, being characterized in that a center distance between adjacent island portions is 1 to 10 mm.
 - 6. A method of producing a prepreg, being characterized

by comprising:

impregnating a reinforced-fiber sheet with a matrix resin so as to form a continuous resin layer at least in an inside thereof; and

applying a protective film having an irregular surface to at least one surface of one side of the reinforced-fiber sheet impregnated with the matrix resin.

- 7. The method of producing the prepreg according to claim 6, being characterized in that only a convex portion of the irregular surface is brought into contact with the reinforced-fiber sheet impregnated with the matrix resin.
- 8. The method of producing the prepreg according to claim 6 or 7, being characterized by comprising keeping the viscosity of an impregnated resin at 10000 Poise or less for 4 hours or more in a situation where the protective film is applied to the reinforced-fiber sheet.
- 9. The method of producing the prepreg according to claim 6 or 7, being characterized by comprising keeping a temperature at 30 to 150°C for 4 hours or more in a situation where the protective film is applied to the reinforced-fiber sheet.
- 10. The method of producing the prepreg according to claim 6, being characterized in that the irregular surface of the protective film is formed of a number of independent convex portions.
 - 11. The method of producing the prepreg according to

claim 10, being characterized in that the irregular surface of the protective film is disposed with dispersing a number of convex portions uniformly on a surface of the film.

12. The method of producing the prepreg according to claim 10 or 11, being characterized in that a center distance between the adjacent convex portions is 1 to 10 mm.